

WORK OBSERVATION REPORT

Observers: P. Pile, J. Sandberg, R. Karol, E. Lessard, R. Zaharatos		Date: 8/15/07	Duration: 1.5 Hr.	AGS Ring and Booster Ring		
Observation Categories	Observation Questions:					
POS	In risky position relative to task? Exposed to risks of temperature/electricity/gas/chemicals/radiation? Protection OK?					
ERG	Risks from: posture, repetitive motion, load, vibration, temperature, lighting, noise, work flow?					
PPE	Correct PPE? In safe condition? All parts of the body properly protected?					
T&E	Is tool, equipment or facility right for the job? In safe condition? Used correctly?					
PRO	Is there a standard procedure? Is procedure adequate? Up to date? Understood? Followed?					
ORD	Is workplace orderly? Adequate space? Is there a place for all materials and equipment? All in its place?					
ASF	No unsafe acts or conditions identified					
Work Area or Location	Number of Contacts	Description of unsafe acts	Observation Category	Follow-up Action	Person Responsible	By Date
AGS and Booster Rings	1	No unsafe acts observed.				
COMMENT:						
<p>This work observation was devoted to reviewing the work environment. Persons responsible to resolve these issues by close of business Friday 8/17/2007 are listed in RED. No unsafe acts were observed, but a number of improvements in the work areas were noted as follows:</p> <p>AGS</p> <p>1) A general clean up and trash removal is required. This applies to the Rings, the North Conjunction Area and to the entrance areas into the Rings. Several ring areas with discarded cables found. Many discarded covers for the AGS main magnets were found on the girders under the magnets. Ray Zaharatos</p> <p>2) A very loud humming is coming from the utility transformer on the outside ring wall near E 10. Please investigate. Tom Nehring</p> <p>3) The grounding stick on the RF Power Amplifiers is protruding into the aisle way. The RF group should be reminded that for safety grounding the ground wire must be firmly clamped to the equipment, not just hooked. Hooks are used to apply temporary grounds while a clamp is attached or to discharge equipment.</p>						

Nick Laloudakis

4) Power cords are daisy chained for the camera and light on the C20 Polarimeter.

Tom Russo

5) There is an un-terminated wire near C19.

Ray Zaharatos

6) The air-conditioning does not appear to be operating properly in the ring.

Ray Zaharatos

7) There is a 208 Volt boxes mounted on the vacuum roughing stations throughout the ring. These boxes are not locked. If there are exposed voltages within the box they need to be locked or bolted closed.

Mike Mapes

8) There is an old gas control electrical box an valve near C1 on the right side of the RF PA. The cover plate for this box is half off and there are wires behind it. This needs to be repaired or removed.

Tom Russo

9) There are standard “Do Not Operate” Tags. Power cords for the DCCT’s throughout the ring have non-standard tags warning people not to remove plugs.

Tom Russo

10) The cable running to the movable power box near A 17 should be dressed better.

Tom Russo

11) There are unused copper covers near A15. They are probably for the current transformer.

Tom Russo

12) There is a section of conduit improperly connected or missing on the inside wall near L9. This is probably for the fire detection system.

Ray Zaharatos

13) There is wire run improperly on the wall nears the ceiling near K16. This wire is probably part of the fire detection system.

Ray Zaharatos

14) The covers for the sextupole magnet near K 13 are missing.

Mike Bannon

15) There are Jennings Switches being stored on the girder near K11.

Mike Bannon

16) There is a disconnected / cut AC cable on the outside wall near K9. This cable is not terminated properly and may be energized.

Tom Nehring

17) There is a disconnected / cut AC cable on the outside wall near J9. This cable is not terminated properly and may be energized. This may be part of the woods metal system.

Pablo Rosas

18) A major cleanup / re-organization of the equipment stored in the North Conjunction Area (NCA) is required. Shelves are overloaded and heavy pieces of equipment are stacked or leaning against boxes in a precarious fashion.

Ray Zaharatos

19) A 480 volt distribution panel is blocked in the NCA. It is probably disconnected and should be so marked.

Tom Nehring

20) There is an electrical box (enc 3440) laying on the floor near H18.

Tom Nehring

21) There is a high radiation / contaminated area near the beam splitters. This area should be cleaned if possible. The adhesive material on the floor used to trap contamination on people's shoes should be renewed.

Paul Bergh

22) There is a warning sign for equipment testing near F10 which should be removed.

Pablo Rosas

23) There is a broken vermiculite bag in the cable tray near F5.

Ray Zaharatos

24) There is a loss monitor on the outside wall near F5 that should be inspected. If it is not used it should be removed.

Tom Russo

Booster

1) There needs to be a general cleanup of the ring. Many covers were off, but that is in preparation for the upcoming heat run.

Ray Zaharatos